



Docket No.: 050024-0024

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 20277  
Seiichi BANBA : Confirmation Number: 9978  
Application No.: 10/810,833 : Group Art Unit: 2817  
Filed: March 29, 2004 : Examiner: Henry Choe  
For: VARIABLE GAIN DIFFERENTIAL AMPLIFIER AND MULTIPLICATION CIRCUIT

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Each non-English language reference was first cited in a corresponding foreign application search report or office action and its relevance discussed therein. A copy of the foreign search report or office action, together with an English language version thereof, is attached for the Examiner's information.

**10/810,833**

Please charge any shortage in fees due in connection with the filing of this paper,  
including extension of time fees, to Deposit Account 500417 and please credit any excess fees to  
such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP



Arthur I. Steiner  
Registration No. 26,106

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 AJS:gav  
Facsimile: 202.756.8087  
**Date: March 25, 2005**

**Please recognize our Customer No. 20277  
as our correspondence address.**



SHEET 1 OF 1

INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (PTO-1449)				ATTY. DOCKET NO. <b>050024-0024</b>	SERIAL NO. <b>10/810,833</b>	
APPLICANT <b>Seiichi BANBA</b>						
				FILING DATE <b>March 29, 2004</b>	GROUP <b>2817</b>	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	US	6,181,922 B1	01/30/2001	Iwai et al.	Counterpart of JP 8-288791	
	US					
	US					
	US					
	US					
	US					
	US					
<b>FOREIGN PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number +-Kind Codes ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes      No
		JP 2000-277703 A	10/06/2000	SANYO ELECTRIC CO LTD.	JAPAN (w/English Abstract and Partial Translation)	
		JP 8-288791	11/01/1996	FUJITSU LTD	JAPAN (w/English Abstract)	
		JP 08-139531	05/31/1996	HITACHI LTD.	JAPAN (w/English Abstract and Partial Translation)	
		JP 60-160717	08/22/1995	-	Corresponds with EP 0148706	X
		EP 0148706	07/17/1985	THOMSON CSF (FR)	Corresponds with JP 60-160717	ENGLISH ABSTRACT ONLY
		JP 9-46176 A	02/14/1997	MITSUBISHI ELECTRIC CORP.	JAPAN (w/English Abstract and Partial Translation)	
<b>OTHER ART</b> (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
EXAMINER				DATE CONSIDERED		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.